

09/824,746

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1954	703/168 OR 713/176 OR 705/75 OR (382/276-308)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/31 14:26
L2	53	1 AND ROTAT\$3 AND EXTRACT\$3 AND IMAGE AND MATRI\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/31 14:27
L3	57881	MURAKAMI.INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/31 14:30
L4	58226	(TOMOCHIKA MURAKAMI).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/31 14:32
L5	53483	(KEIICHI IWAMURA).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/31 14:31
L6	740	4 AND 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/31 14:31
L7	0	"TOMOCHIKA MURAKAMI".INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/31 14:32
L8	0	("TOMOCHIKA MURAKAMI").INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/31 14:41

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L9	41	MURAKAMI-TOMOCHIKA.INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/31 14:42
L10	340	IWAMURA-KEIICHI.INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/31 14:43
L11	641	ISHIDA-YOSHIHIRO.INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/31 14:43
L12	6	9 AND 10 AND 11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/31 14:43

09/824,746

Zand, Kambiz

From: PLUS
Sent: Tuesday, March 22, 2005 1:38 PM
To: Zand, Kambiz
Subject: PLUS Results for 09824746

Here are the PLUS search results for 09824746.

This search was prepared by the staff of the Scientific and Technical Information Center, SIRA. If you have questions or comments about this search, please reply via email to PLUS@uspto.gov.



09824746_QUAL.txt



09824746_LIST.txt



09824746_WEST.txt



09824746_EAST.txt



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09824746_CLS.txt



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09824746_WDS.txt

46

PLUS Search Results for S/N 09824746, Searched March 22, 2005

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

6111990
6185312
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09824746_CLS

Most Frequently Occurring Classifications of Patents Returned
From A Search of 09824746 on March 22, 2005

Original Classifications

8	380/54
6	382/100
6	713/176
5	382/232
2	358/3.28
2	382/115
2	382/135
2	382/250
2	382/284

Cross-Reference Classifications

12	713/176
11	283/113
9	380/54
7	283/73
7	380/55
7	382/232
6	283/17
5	235/494
5	380/200
4	380/202
4	382/100
3	705/57
2	283/62
2	348/460
2	348/473
2	358/1.9
2	358/3.19
2	358/536
2	380/201
2	380/206
2	380/207
2	380/237
2	380/238
2	380/243
2	382/115
2	382/181
2	382/237
2	382/276
2	382/279
2	428/42.2
2	705/58
2	713/179

Combined Classifications

18 713/176
17 380/54
12 382/232
11 283/113
10 382/100
7 283/73
7 380/55
6 283/17
5 235/494
5 380/200
4 380/202
4 382/115
3 382/284
3 705/57
3 713/179
2 283/62
2 348/460
2 348/473
2 358/1.9
2 358/3.19
2 358/3.28
2 358/536
2 380/201
2 380/206
2 380/207
2 380/237
2 380/238
2 380/243
2 382/135
2 382/181
2 382/237
2 382/250
2 382/251
2 382/276
2 382/279
2 428/42.1
2 428/42.2
2 705/58

09824746_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 09824746 on March 22, 2005

18	713/176	(6 OR, 12 XR)
	Class 713 :	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: SUPPORT
	713/150	MULTIPLE COMPUTER COMMUNICATION USING CRYPTOGRAPHY
	713/168	.Particular communication authentication technique
	713/176	..Authentication by digital signature representation or digital watermark
17	380/54	(8 OR, 9 XR)
	Class 380 :	CRYPTOGRAPHY
	380/54	BY MODIFYING OPTICAL IMAGE (E.G., TRANSMISSIVE OVERLAY)
12	382/232	(5 OR, 7 XR)
	Class 382 :	IMAGE ANALYSIS
	382/232	IMAGE COMPRESSION OR CODING
11	283/113	(0 OR, 11 XR)
	Class 283 :	PRINTED MATTER
	283/72	HAVING REVEALABLE CONCEALED INFORMATION, FRAUD PREVENTER OR DETECTOR, USE PREVENTER OR DETECTOR, OR IDENTIFIER
	283/113	.Having watermark
10	382/100	(6 OR, 4 XR)
	Class 382 :	IMAGE ANALYSIS
	382/100	APPLICATIONS
7	283/73	(0 OR, 7 XR)
	Class 283 :	PRINTED MATTER
	283/72	HAVING REVEALABLE CONCEALED INFORMATION, FRAUD PREVENTER OR DETECTOR, USE PREVENTER OR DETECTOR, OR IDENTIFIER
	283/73	.Cryptogram (e.g., verification, tabular index)
7	380/55	(0 OR, 7 XR)
	Class 380 :	CRYPTOGRAPHY

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380/55 HAVING PRODUCTION OF PRINTED COPY (E.G.,
CRYPTOGRAPHIC PRINTER OR TYPEWRITER)

6 283/17 (0 OR, 6 XR)

Class 283 : PRINTED MATTER
283/17 CRYPTOGRAPHIC RECORD TEMPLATE

5 235/494 (0 OR, 5 XR)

Class 235 : REGISTERS
235/487 RECORDS
235/494 .Particular code pattern

5 380/200 (0 OR, 5 XR)

Class 380 : CRYPTOGRAPHY
380/200 VIDEO CRYPTOGRAPHY

4 380/202 (0 OR, 4 XR)

Class 380 : CRYPTOGRAPHY
380/200 VIDEO CRYPTOGRAPHY
380/201 .Copy protection or prevention
380/202 ..Having origin or program ID

4 382/115 (2 OR, 2 XR)

Class 382 : IMAGE ANALYSIS
382/100 APPLICATIONS
382/115 .Personnel identification (e.g., biometrics)

3 382/284 (2 OR, 1 XR)

Class 382 : IMAGE ANALYSIS
382/276 IMAGE TRANSFORMATION OR PREPROCESSING
382/284 .Combining image portions (e.g., portions of
oversized documents)

3 705/57 (0 OR, 3 XR)

Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS
PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN

ATION

705/50 BUSINESS PROCESSING USING CRYPTOGRAPHY
705/51 .Usage protection of distributed data files
705/57 ..Copy protection or prevention

3 713/179 (1 OR, 2 XR)

Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: SUPPORT
713/150 MULTIPLE COMPUTER COMMUNICATION USING
CRYPTOGRAPHY
713/168 .Particular communication authentication
technique

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- 713/176 ...Authentication by digital signature
 representation or digital watermark
- 713/179 ...Including generation of associated coded
 record
- 2 283/62 (0 OR, 2 XR)
 Class 283 : PRINTED MATTER
 283/62 STRIPS
- 2 348/460 (0 OR, 2 XR)
 Class 348 : TELEVISION
 348/460 DIVERSE DEVICE CONTROLLED BY INFORMATION
 EMBEDDED IN VIDEO SIGNAL
- 2 348/473 (0 OR, 2 XR)
 Class 348 : TELEVISION
 348/469 FORMAT
 348/473 .Including additional information
- 2 358/1.9 (0 OR, 2 XR)
 Class 358 : FACSIMILE AND STATIC PRESENTATION PROCESSING
- 358/1.1 STATIC PRESENTATION PROCESSING (E.G.,
 PROCESSING DATA FOR PRINTER, ETC.)
- 358/1.9 .Attribute control
- 2 358/3.19 (0 OR, 2 XR)
 Class 358 : FACSIMILE AND STATIC PRESENTATION PROCESSING
- 358/1.1 STATIC PRESENTATION PROCESSING (E.G.,
 PROCESSING DATA FOR PRINTER, ETC.)
- 358/1.9 .Attribute control
- 358/3.01 ..Multi-level image reproduction (e.g., gray
 level reproduction)
- 358/3.06 ...Halftoning (e.g., a pattern of print
 elements used to represent a gray level)
- 358/3.13 Dithering (e.g., spatial distribution of
 print elements by threshold matrix)
- 358/3.19 Stochastic or random dithering
- 2 358/3.28 (2 OR, 0 XR)
 Class 358 : FACSIMILE AND STATIC PRESENTATION PROCESSING
- 358/1.1 STATIC PRESENTATION PROCESSING (E.G.,
 PROCESSING DATA FOR PRINTER, ETC.)
- 358/1.9 .Attribute control
- 358/3.28 ..Embedding a hidden or unobtrusive code or
 pattern in a reproduced image (e.g., a wate

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rmark)

- 2 358/536 (0 OR, 2 XR)
 - Class 358 : FACSIMILE AND STATIC PRESENTATION PROCESSING
 - 358/500 NATURAL COLOR FACSIMILE
 - 358/530 .Specific image-processing circuitry
 - 358/534 ..Halftone processing
 - 358/536 ...Halftone screening
- 2 380/201 (0 OR, 2 XR)
 - Class 380 : CRYPTOGRAPHY
 - 380/200 VIDEO CRYPTOGRAPHY
 - 380/201 .Copy protection or prevention
- 2 380/206 (0 OR, 2 XR)
 - Class 380 : CRYPTOGRAPHY
 - 380/200 VIDEO CRYPTOGRAPHY
 - 380/205 .Video electric signal masking
 - 380/206 ..Masking of synchronization signal
- 2 380/207 (0 OR, 2 XR)
 - Class 380 : CRYPTOGRAPHY
 - 380/200 VIDEO CRYPTOGRAPHY
 - 380/205 .Video electric signal masking
 - 380/207 ..Including locally generated masking signal
- 2 380/237 (0 OR, 2 XR)
 - Class 380 : CRYPTOGRAPHY
 - 380/200 VIDEO CRYPTOGRAPHY
 - 380/210 .Video electric signal modification (e.g., scrambling)
 - 380/236 ..Modifying accompanying audio signal
 - 380/237 ...Including digital audio
- 2 380/238 (0 OR, 2 XR)
 - Class 380 : CRYPTOGRAPHY
 - 380/200 VIDEO CRYPTOGRAPHY
 - 380/210 .Video electric signal modification (e.g., scrambling)
 - 380/236 ..Modifying accompanying audio signal
 - 380/238 ...Including frequency modification of audio signal or frequency shifting of audio carrier
- 2 380/243 (0 OR, 2 XR)
 - Class 380 : CRYPTOGRAPHY
 - 380/243 FACSIMILE CRYPTOGRAPHY

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- 2 382/135 (2 OR, 0 XR)
 Class 382 : IMAGE ANALYSIS
 382/100 APPLICATIONS
 382/135 .Reading paper currency
- 2 382/181 (0 OR, 2 XR)
 Class 382 : IMAGE ANALYSIS
 382/181 PATTERN RECOGNITION
- 2 382/237 (0 OR, 2 XR)
 Class 382 : IMAGE ANALYSIS
 382/232 IMAGE COMPRESSION OR CODING
 382/237 .Gray level to binary coding
- 2 382/250 (2 OR, 0 XR)
 Class 382 : IMAGE ANALYSIS
 382/232 IMAGE COMPRESSION OR CODING
 382/248 .Transform coding
 382/250 ..Discrete cosine or sine transform
- 2 382/251 (1 OR, 1 XR)
 Class 382 : IMAGE ANALYSIS
 382/232 IMAGE COMPRESSION OR CODING
 382/251 .Quantization
- 2 382/276 (0 OR, 2 XR)
 Class 382 : IMAGE ANALYSIS
 382/276 IMAGE TRANSFORMATION OR PREPROCESSING
- 2 382/279 (0 OR, 2 XR)
 Class 382 : IMAGE ANALYSIS
 382/276 IMAGE TRANSFORMATION OR PREPROCESSING
 382/279 .Convolution
- 2 428/42.1 (1 OR, 1 XR)
 Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES
 428/40.1 LAYER OR COMPONENT REMOVABLE TO EXPOSE ADHESIV
- E
 428/42.1 .Ornamental, decorative, pattern, or indicia
- 2 428/42.2 (0 OR, 2 XR)
 Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES
 428/40.1 LAYER OR COMPONENT REMOVABLE TO EXPOSE ADHESIV
- E
 428/42.2 .Sectional layer removable

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2 705/58 (0 OR, 2 XR)

Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS
PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN

ATION

705/50 BUSINESS PROCESSING USING CRYPTOGRAPHY
705/51 .Usage protection of distributed data files
705/57 ..Copy protection or prevention
705/58 ...Having origin or program ID


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 Terms used **image watermark extraction**

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1 [Protecting digital media content](#)

Nasir Memon, Ping Wah Wong

 July 1998 **Communications of the ACM**, Volume 41 Issue 7

 Full text available: [pdf\(1.02 MB\)](#)

 Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)

2 [Robust digital watermarking: Robust DWT-SVD domain image watermarking: embedding data in all frequencies](#)

Emir Ganic, Ahmet M. Eskicioglu

 September 2004 **Proceedings of the 2004 multimedia and security workshop on Multimedia and security**

 Full text available: [pdf\(4.84 MB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Protection of digital multimedia content has become an increasingly important issue for content owners and service providers. As watermarking is identified as a major technology to achieve copyright protection, the relevant literature includes several distinct approaches for embedding data into a multimedia element (primarily images, audio, and video). Because of its growing popularity, the Discrete Wavelet Transform (DWT) is commonly used in recent watermarking schemes. In a DWT-based scheme, t ...

Keywords: copyright protection, discrete wavelet transform, image watermarking, multimedia, singular value decomposition, visual watermark

Results 1 - 2 of 2

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Your search matched 1 of 1137806 documents.

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IEEE JNL IEEE Journal or Magazine

IEEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

Modify Search

☐ Check to search only within this results setDisplay Format: ☒ Citation ☐ Citation & Abstract

- ☐
1. Application of ICA to the digital Image watermarking
Minfen Shen; Huang, J.; Beadle, P.J.;
Neural Networks and Signal Processing, 2003. Proceedings of the 2003 International Conference on
Volume 2, 14-17 Dec. 2003 Page(s):1485 - 1488 Vol.2
[AbstractPlus](#) | Full Text: [PDF\(329 KB\)](#) IEEE CNF

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